

SEQUENCE LISTING



<110> Richter, Mark M
Powell, Michael J
Belisle, Christopher M

<120> Assays Employing Electrochemiluminescent Labels and
Electrochemiluminescence Quenchers

<130> 337462000600

<140> 09/074,472
<141> 1998-05-07

<160> 16

<170> PatentIn Ver. 2.0

<210> 1
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<400> 1
atcgtgcggt ggttgaactg

<210> 2
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> n denotes the Ru(bpy)₃ (superscript
+2)-containing group.

<220>
<221> modified_base
<222> (22)
<223> n denotes the biotin-containing group.

<220>

<400> 2
natcgtgcgg tggttgaact gn

<210> 3
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)

20

93 DEC -9 AM 10:49
GROUP 180

22

<223> n denotes Ru(bpy), (subscript 3, superscript +2)-containing group.

<220>

<221> modified_base

<222> (23)

<223> n denotes the biotin-containing group.

<220>

<221> modified_base

<222> (5)

<223> t denotes "amine modified C, (subscript 6)-dT".

<220>

<400> 3

ncagttccaa ccaaccgcac gtn

23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)

<223> n denotes the Ru(bpy), (subscript 3, superscript +2)-containing group.

<220>

<221> modified_base

<222> (22)

<223> t denotes "amine modified C, (subscript 6)-dT".

<220>

<221> modified_base

<222> (23)

<223> n denotes the biotin-containing group.

<220>

<400> 4

ncagttccaa ccaaccgcac gtn

23

<210> 5

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)

<223> n denotes the Ru(bpy), (subscript 3, superscript +2)-containing group.

<220>

<221> modified_base

<222> (23)..(27)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (28)
<223> n denotes the biotin-containing group.

<220>

<400> 5
ncagttccaa ccaaccgcac gtnnnnnn

28

<210> 6
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> n denotes the Ru(bpy), (subscript 3, superscript +2)-containing group.

<220>
<221> modified_base
<222> (5)
<223> t denotes "amine modified C, (subscript 6)-dT".

<220>
<221> modified_base
<222> (6)
<223> n denotes the "quenching moiety".

<220>
<221> modified_base
<222> (24)
<223> n denotes the biotin-containing group.

<220>

<400> 6
ncagtntcca accaaccgca cgtn

24

<210> 7
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> n denotes the Ru(bpy), (subscript 3, superscript +2)-containing group.

<220>
<221> modified_base

<222> (22)
<223> t denotes "amine modified C, (subscript 6)-dT".

<220>
<221> modified_base
<222> (23)
<223> n denotes the "quenching moiety".

<220>
<221> modified_base
<222> (24)
<223> n denotes the biotin-containing group.

<220>

<400> 7
ncagttccaa ccaaccgcac gtnn

24

<210> 8
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> n denotes the Ru(bpy), (subscript 3, superscript
+2)-containing group.

<220>
<221> modified_base
<222> (23)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (25)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (27)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (29)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (31)
<223> n denotes "Label On".

<220>
<221> modified_base
<222> (24)

<223> n denotes the "quenching moiety".

<220>

<221> modified_base

<222> (26)

<223> n denotes the "quenching moiety".

<220>

<221> modified_base

<222> (28)

<223> n denotes the "quenching moiety".

<220>

<221> modified_base

<222> (30)

<223> n denotes the "quenching moiety".

<220>

<221> modified_base

<222> (32)

<223> n denotes the "quenching moiety".

<400> 8

ncagttccaa ccaaccgcac gttnnnnnnnn nnn

33

<210> 9

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)

<223> n denotes "5'-amino modifier".

<220>

<221> modified_base

<222> (24)

<223> n denotes "carboxyl modified dT".

<220>

<221> modified_base

<222> (25)

<223> n denotes the biotin-containing group.

<220>

<400> 9

nacgccactg gatccacagt tagnn

25

<210> 10

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (24)
<223> n denotes "carboxyl modified dT".

<220>
<221> modified_base
<222> (25)
<223> n denotes biotin-containing group.

<220>

<220>
<221> modified_base
<222> (19)
<223> n is unknown.

<400> 10
aacgccactg gatccacant tagnn

25

<210> 11
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> t denotes "amine modified C, (subscript 6)-dT".

<220>
<221> modified_base
<222> (26)
<223> n denotes "carboxyl modified dT".

<220>
<221> modified_base
<222> (27)
<223> n denotes the biotin-containing group.

<220>

<400> 11
tttgcggtga cctaggtgtc aatcann

27

<210> 12
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (25)
<223> n denotes "carboxyl modified dT".

<220>
<221> modified_base
<222> (26)
<223> n denotes biotin-containing group.

<220>

<400> 12

ttgcggtgac ctaggtgtcc atcann

26

<210> 13

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)

<223> n denotes the "quenching moiety".

<220>

<221> modified_base

<222> (2)

<223> n denotes "5'-amino modifier".

<220>

<221> modified_base

<222> (25)

<223> n denotes "carboxyl modified dT".

<220>

<221> modified_base

<222> (26)

<223> n denotes the Ru(bpy)₃²⁺-containing group.

<220>

<221> modified_base

<222> (27)

<223> n denotes the biotin-containing group.

<220>

<400> 13

nnacgccact ggatccacag ttagnnn

27

<210> 14

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (24)

<223> n denotes "carboxyl modified dT".

<220>

<221> modified_base

<222> (25)

<223> n denotes the Ru(bpy)₃²⁺-containing group.

<220>
<221> modified_base
<222> (26)
<223> n denotes the biotin-containing group.

<220>

<220>
<221> modified_base
<222> (19)
<223> n is unknown.

<400> 14
aacgccactg gatccacant tagnnn

26

<210> 15
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)
<223> n denotes the "quenching moiety".

<220>
<221> modified_base
<222> (2)
<223> t denotes "amine modified C, (subscript 6)-dT".

<220>
<221> modified_base
<222> (27)
<223> n denotes "carboxyl modified dT".

<220>
<221> modified_base
<222> (28)
<223> n denoted the Ru(bpy)₃²⁺-containing group.

<220>
<221> modified_base
<222> (29)
<223> n denotes the biotin-containing group.

<220>

<400> 15
ntttgcggtg acctaggtgt caatcannn

29

<210> 16
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (25)
<223> n denotes "carboxyl modified dT".

<220>
<221> modified_base
<222> (26)
<223> n denotes the Ru(bpy)₃²⁺-containing group.

<220>
<221> modified_base
<222> (27)
<223> n denotes the biotin-containing group.

<220>
<400> 16
ttgcggtgac ctaggtgtcc atcannn

27